

10/23/2015

Mr. Terry Taylor

Anderson Mulholland & Associates, Inc.

2700 Westchester Avenue

Suite 417

Purchase NY 10577

Project Name: BMS VI

Project #:

Workorder #: 1510351A

Dear Mr. Terry Taylor

The following report includes the data for the above referenced project for sample(s) received on 10/20/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Brian Whittaker

Project Manager

**A Eurofins Lancaster Laboratories Company**

**WORK ORDER #:** 1510351A

## Work Order Summary

<b>CLIENT:</b>	Mr. Terry Taylor Anderson Mulholland & Associates, Inc. 2700 Westchester Avenue Suite 417	<b>BILL TO:</b>	Accounts Payable Anderson Mulholland & Associates, Inc. 2700 Westchester Avenue Suite 417 Purchase, NY 10577
<b>PHONE:</b>	Purchase, NY 10577 (914) 251-0400	<b>P.O. #</b>	
<b>FAX:</b>		<b>PROJECT #</b>	BMS VI
<b>DATE RECEIVED:</b>	10/20/2015	<b>CONTACT:</b>	Brian Whittaker
<b>DATE COMPLETED:</b>	10/23/2015		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	B30IA-1 101715	Modified TO-15	5.7 "Hg	5 psi
02A	B30IA-2 101715	Modified TO-15	6.1 "Hg	4.8 psi
03A	B30IA-3 101715	Modified TO-15	7.8 "Hg	4.1 psi
04A	B30IA-4 101715	Modified TO-15	4.7 "Hg	5.1 psi
05A	B30IA-4D 101715	Modified TO-15	3.7 "Hg	4.8 psi
06A	B30IA-5 101715	Modified TO-15	5.9 "Hg	5.2 psi
07A	B42IA-1 101715	Modified TO-15	6.1 "Hg	4.9 psi
08A	B42IA-2 101715	Modified TO-15	4.5 "Hg	4.9 psi
09A	B42IA-3 101715	Modified TO-15	2.6 "Hg	4.9 psi
10A	B3042AA	Modified TO-15	8.8 "Hg	4.9 psi
11A	B8IA-2 101715	Modified TO-15	4.5 "Hg	4.9 psi
12A	B8IA-2D 101715	Modified TO-15	7.1 "Hg	5.1 psi
13A	B8AA-1 101715	Modified TO-15	4.5 "Hg	5 psi
14A	Lab Blank	Modified TO-15	NA	NA
15A	CCV	Modified TO-15	NA	NA
16A	LCS	Modified TO-15	NA	NA
16AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:

DATE: 10/23/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,

TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563  
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE**  
**Modified TO-15**  
**Anderson Mulholland & Associates, Inc.**  
**Workorder# 1510351A**

Thirteen 6 Liter Summa Canister (100% Certified) samples were received on October 20, 2015. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<b>Requirement</b>	<b>TO-15</b>	<b>ATL Modifications</b>
Initial Calibration	</=30% RSD with 2 compounds allowed out to < 40% RSD	</=30% RSD with 4 compounds allowed out to < 40% RSD
Blank and standards	Zero Air	UHP Nitrogen provides a higher purity gas matrix than zero air

### **Receiving Notes**

There were no receiving discrepancies.

### **Analytical Notes**

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. All the canisters used for this project have been certified to the Reporting Limit for the target analytes included in this workorder. Concentrations that are below the level at which the canister was certified may be false positives.

Due to poor peak quality at the standard reporting limit, the reporting limit for Freon 12 and alpha-Chlorotoluene was raised from 0.10 ppbv to 0.50 ppbv.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

### **Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See

data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B30IA-1 101715**

**Lab ID#: 1510351A-01A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.83	0.47 J	4.1	2.3 J
Chloromethane	0.83	0.93	1.7	1.9
1,3-Butadiene	0.17	0.079 J	0.37	0.18 J
Freon 11	0.17	0.27	0.93	1.5
Ethanol	0.83	25	1.6	48
Acetone	0.83	54	2.0	130
2-Propanol	0.83	25	2.0	61
Carbon Disulfide	0.83	0.92	2.6	2.9
Methylene Chloride	0.33	2.8	1.2	9.7
Methyl tert-butyl ether	0.17	0.064 J	0.60	0.23 J
Hexane	0.17	3.5	0.58	12
2-Butanone (Methyl Ethyl Ketone)	0.83	6.6	2.4	19
Tetrahydrofuran	0.83	1.1	2.4	3.2
Chloroform	0.17	0.064 J	0.81	0.31 J
Cyclohexane	0.17	0.63	0.57	2.2
Carbon Tetrachloride	0.17	0.062 J	1.0	0.39 J
2,2,4-Trimethylpentane	0.83	0.80 J	3.9	3.8 J
Benzene	0.17	0.47	0.53	1.5
1,2-Dichloroethane	0.17	0.077 J	0.67	0.31 J
Heptane	0.17	2.6	0.68	11
Trichloroethene	0.17	0.051 J	0.89	0.27 J
1,2-Dichloropropane	0.17	0.71	0.77	3.3
4-Methyl-2-pentanone	0.17	0.34	0.68	1.4
Toluene	0.17	9.3	0.62	35
2-Hexanone	0.83	0.33 J	3.4	1.3 J
Chlorobenzene	0.17	0.033 J	0.76	0.15 J
Ethyl Benzene	0.17	1.1	0.72	4.9
m,p-Xylene	0.17	3.7	0.72	16
o-Xylene	0.17	0.87	0.72	3.8
Styrene	0.17	2.5	0.71	10
Cumene	0.17	0.11 J	0.82	0.56 J
4-Ethyltoluene	0.17	0.23	0.82	1.1
1,3,5-Trimethylbenzene	0.17	0.054 J	0.82	0.26 J



Air Toxics

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B30IA-1 101715****Lab ID#: 1510351A-01A**

1,2,4-Trimethylbenzene	0.17	0.18	0.82	0.87
------------------------	------	------	------	------

**Client Sample ID: B30IA-2 101715****Lab ID#: 1510351A-02A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.84	0.37 J	4.1	1.8 J
Chloromethane	0.84	0.80 J	1.7	1.6 J
Freon 11	0.17	0.21	0.94	1.2
Ethanol	0.84	8.1	1.6	15
Acetone	0.84	17	2.0	42
2-Propanol	0.84	16	2.0	39
Carbon Disulfide	0.84	0.11 J	2.6	0.36 J
Methylene Chloride	0.33	0.16 J	1.2	0.57 J
Hexane	0.17	0.28	0.59	0.97
2-Butanone (Methyl Ethyl Ketone)	0.84	3.2	2.5	9.5
Cyclohexane	0.17	0.066 J	0.57	0.23 J
Carbon Tetrachloride	0.17	0.059 J	1.0	0.37 J
2,2,4-Trimethylpentane	0.84	0.064 J	3.9	0.30 J
Benzene	0.17	0.092 J	0.53	0.29 J
1,2-Dichloroethane	0.17	0.070 J	0.68	0.28 J
Heptane	0.17	0.23	0.68	0.94
4-Methyl-2-pentanone	0.17	0.18	0.68	0.73
Toluene	0.17	0.49	0.63	1.8
2-Hexanone	0.84	0.39 J	3.4	1.6 J
m,p-Xylene	0.17	0.16 J	0.72	0.69 J
o-Xylene	0.17	0.063 J	0.72	0.27 J
Styrene	0.17	0.051 J	0.71	0.22 J
4-Ethyltoluene	0.17	0.044 J	0.82	0.22 J
1,3,5-Trimethylbenzene	0.17	0.035 J	0.82	0.17 J
1,2,4-Trimethylbenzene	0.17	0.069 J	0.82	0.34 J

**Client Sample ID: B30IA-3 101715****Lab ID#: 1510351A-03A**



Air Toxics

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B30IA-3 101715****Lab ID#: 1510351A-03A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.86	0.41 J	4.2	2.0 J
Chloromethane	0.86	0.74 J	1.8	1.5 J
Freon 11	0.17	0.25	0.97	1.4
Ethanol	0.86	4.9	1.6	9.2
Acetone	0.86	5.4	2.0	13
2-Propanol	0.86	13	2.1	32
Methylene Chloride	0.34	0.34	1.2	1.2
Hexane	0.17	0.18	0.61	0.62
2-Butanone (Methyl Ethyl Ketone)	0.86	0.70 J	2.5	2.0 J
Carbon Tetrachloride	0.17	0.084 J	1.1	0.53 J
Benzene	0.17	0.093 J	0.55	0.30 J
Heptane	0.17	0.071 J	0.70	0.29 J
Trichloroethene	0.17	0.24	0.92	1.3
4-Methyl-2-pentanone	0.17	0.055 J	0.70	0.22 J
Toluene	0.17	0.32	0.65	1.2
m,p-Xylene	0.17	0.11 J	0.75	0.49 J
o-Xylene	0.17	0.047 J	0.75	0.21 J
Styrene	0.17	0.094 J	0.73	0.40 J
4-Ethyltoluene	0.17	0.053 J	0.84	0.26 J
1,2,4-Trimethylbenzene	0.17	0.048 J	0.84	0.23 J

**Client Sample ID: B30IA-4 101715****Lab ID#: 1510351A-04A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.80	0.45 J	4.0	2.2 J
Chloromethane	0.80	0.91	1.6	1.9
Freon 11	0.16	0.25	0.90	1.4
Ethanol	0.80	5.8	1.5	11
Acetone	0.80	12	1.9	30
2-Propanol	0.80	13	2.0	32
Carbon Disulfide	0.80	0.16 J	2.5	0.49 J
Methylene Chloride	0.32	0.66	1.1	2.3



Air Toxics

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B30IA-4 101715****Lab ID#: 1510351A-04A**

Hexane	0.16	0.36	0.56	1.3
2-Butanone (Methyl Ethyl Ketone)	0.80	1.1	2.4	3.4
Cyclohexane	0.16	0.13 J	0.55	0.44 J
Carbon Tetrachloride	0.16	0.067 J	1.0	0.42 J
2,2,4-Trimethylpentane	0.80	0.042 J	3.7	0.20 J
<hr/>				
Benzene	0.16	0.10 J	0.51	0.32 J
Heptane	0.16	0.20	0.66	0.84
1,2-Dichloropropane	0.16	0.068 J	0.74	0.31 J
4-Methyl-2-pentanone	0.16	0.098 J	0.66	0.40 J
Toluene	0.16	1.0	0.60	4.0
<hr/>				
Ethyl Benzene	0.16	0.16	0.69	0.71
m,p-Xylene	0.16	0.35	0.69	1.5
o-Xylene	0.16	0.17	0.69	0.76
Styrene	0.16	0.20	0.68	0.87
<hr/>				
4-Ethyltoluene	0.16	0.055 J	0.79	0.27 J
1,2,4-Trimethylbenzene	0.16	0.062 J	0.79	0.30 J
Naphthalene	0.80	0.49 J	4.2	2.6 J

**Client Sample ID: B30IA-4D 101715****Lab ID#: 1510351A-05A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.76	0.45 J	3.7	2.2 J
Chloromethane	0.76	0.93	1.6	1.9
Freon 11	0.15	0.26	0.85	1.4
Ethanol	0.76	5.5	1.4	10
Freon 113	0.15	0.064 J	1.2	0.49 J
<hr/>				
Acetone	0.76	8.6	1.8	20
2-Propanol	0.76	12	1.8	29
Carbon Disulfide	0.76	0.19 J	2.4	0.59 J
Methylene Chloride	0.30	0.67	1.0	2.3
Hexane	0.15	0.23	0.53	0.83
<hr/>				
2-Butanone (Methyl Ethyl Ketone)	0.76	1.2	2.2	3.6
Carbon Tetrachloride	0.15	0.053 J	0.95	0.33 J
2,2,4-Trimethylpentane	0.76	0.056 J	3.5	0.26 J

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B30IA-4D 101715**

**Lab ID#: 1510351A-05A**

Benzene	0.15	0.11 J	0.48	0.35 J
1,2-Dichloroethane	0.15	0.053 J	0.61	0.21 J
Heptane	0.15	0.16	0.62	0.65
Trichloroethene	0.15	0.19	0.81	1.0
4-Methyl-2-pentanone	0.15	0.70	0.62	2.9
Toluene	0.15	0.44	0.57	1.7
2-Hexanone	0.76	0.17 J	3.1	0.69 J
Ethyl Benzene	0.15	0.11 J	0.66	0.47 J
m,p-Xylene	0.15	0.24	0.66	1.0
o-Xylene	0.15	0.12 J	0.66	0.54 J
Styrene	0.15	0.091 J	0.64	0.39 J
4-Ethyltoluene	0.15	0.11 J	0.74	0.54 J
1,3,5-Trimethylbenzene	0.15	0.047 J	0.74	0.23 J
1,2,4-Trimethylbenzene	0.15	0.13 J	0.74	0.62 J
1,4-Dichlorobenzene	0.15	0.085 J	0.91	0.51 J
Naphthalene	0.76	0.31 J	4.0	1.6 J

**Client Sample ID: B30IA-5 101715**

**Lab ID#: 1510351A-06A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.84	0.23 J	4.2	1.2 J
Chloromethane	0.84	0.75 J	1.7	1.6 J
Freon 11	0.17	0.24	0.95	1.3
Ethanol	0.84	5.2	1.6	9.7
Freon 113	0.17	0.074 J	1.3	0.57 J
Acetone	0.84	9.7	2.0	23
2-Propanol	0.84	9.0	2.1	22
Methylene Chloride	0.34	0.32 J	1.2	1.1 J
Hexane	0.17	0.28	0.60	0.99
2-Butanone (Methyl Ethyl Ketone)	0.84	0.91	2.5	2.7
Carbon Tetrachloride	0.17	0.050 J	1.1	0.31 J
2,2,4-Trimethylpentane	0.84	0.044 J	3.9	0.20 J
Benzene	0.17	0.13 J	0.54	0.41 J
1,2-Dichloroethane	0.17	0.029 J	0.68	0.12 J



Air Toxics

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B30IA-5 101715****Lab ID#: 1510351A-06A**

Heptane	0.17	0.19	0.69	0.77
4-Methyl-2-pentanone	0.17	0.10 J	0.69	0.42 J
Toluene	0.17	0.97	0.64	3.7
Ethyl Benzene	0.17	0.12 J	0.73	0.52 J
m,p-Xylene	0.17	0.40	0.73	1.7
o-Xylene	0.17	0.13 J	0.73	0.55 J
Styrene	0.17	0.24	0.72	1.0
4-Ethyltoluene	0.17	0.061 J	0.83	0.30 J
1,3,5-Trimethylbenzene	0.17	0.039 J	0.83	0.19 J
1,2,4-Trimethylbenzene	0.17	0.091 J	0.83	0.44 J

**Client Sample ID: B42IA-1 101715****Lab ID#: 1510351A-07A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.84	0.74 J	4.2	3.6 J
Chloromethane	0.84	0.91	1.7	1.9
Freon 11	0.17	0.24	0.94	1.3
Ethanol	0.84	5.4	1.6	10
Acetone	0.84	10	2.0	25
2-Propanol	0.84	1.2	2.1	2.9
Carbon Disulfide	0.84	6.9	2.6	22
Methylene Chloride	0.34	0.71	1.2	2.5
trans-1,2-Dichloroethene	0.17	0.18	0.67	0.73
Hexane	0.17	0.41	0.59	1.4
2-Butanone (Methyl Ethyl Ketone)	0.84	2.0	2.5	6.0
Tetrahydrofuran	0.84	0.78 J	2.5	2.3 J
Cyclohexane	0.17	0.10 J	0.58	0.36 J
Carbon Tetrachloride	0.17	0.12 J	1.0	0.73 J
2,2,4-Trimethylpentane	0.84	0.11 J	3.9	0.52 J
Benzene	0.17	0.16 J	0.54	0.50 J
Heptane	0.17	0.17	0.69	0.71
Toluene	0.17	0.81	0.63	3.0
Ethyl Benzene	0.17	0.15 J	0.73	0.66 J
m,p-Xylene	0.17	0.51	0.73	2.2

**Summary of Detected Compounds**  
**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: B42IA-1 101715**

**Lab ID#: 1510351A-07A**

o-Xylene	0.17	0.18	0.73	0.78
Styrene	0.17	0.063 J	0.72	0.27 J
4-Ethyltoluene	0.17	0.11 J	0.82	0.56 J
1,3,5-Trimethylbenzene	0.17	0.078 J	0.82	0.38 J
1,2,4-Trimethylbenzene	0.17	0.15 J	0.82	0.75 J
1,4-Dichlorobenzene	0.17	0.11 J	1.0	0.64 J
Naphthalene	0.84	0.24 J	4.4	1.3 J

**Client Sample ID: B42IA-2 101715**

**Lab ID#: 1510351A-08A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	0.52 J	3.9	2.6 J
Chloromethane	0.78	0.73 J	1.6	1.5 J
Freon 11	0.16	0.21	0.88	1.2
Ethanol	0.78	3.2	1.5	6.1
Freon 113	0.16	0.066 J	1.2	0.50 J
Acetone	0.78	5.2	1.9	12
2-Propanol	0.78	0.54 J	1.9	1.3 J
Methylene Chloride	0.31	0.44	1.1	1.5
Hexane	0.16	0.23	0.55	0.82
2-Butanone (Methyl Ethyl Ketone)	0.78	0.75 J	2.3	2.2 J
Cyclohexane	0.16	0.087 J	0.54	0.30 J
Carbon Tetrachloride	0.16	0.077 J	0.99	0.49 J
2,2,4-Trimethylpentane	0.78	0.067 J	3.7	0.31 J
Benzene	0.16	0.098 J	0.50	0.31 J
Heptane	0.16	0.10 J	0.64	0.43 J
4-Methyl-2-pentanone	0.16	0.062 J	0.64	0.25 J
Toluene	0.16	0.62	0.59	2.3
m,p-Xylene	0.16	0.27	0.68	1.2
o-Xylene	0.16	0.087 J	0.68	0.38 J
Styrene	0.16	0.041 J	0.67	0.17 J
Cumene	0.16	0.026 J	0.77	0.13 J
4-Ethyltoluene	0.16	0.074 J	0.77	0.36 J
1,2,4-Trimethylbenzene	0.16	0.072 J	0.77	0.36 J

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B42IA-3 101715**

**Lab ID#: 1510351A-09A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.73	0.54 J	3.6	2.7 J
Chloromethane	0.73	0.79	1.5	1.6
Freon 11	0.15	0.20	0.82	1.1
Ethanol	0.73	6.3	1.4	12
Freon 113	0.15	0.065 J	1.1	0.50 J
Acetone	0.73	4.9	1.7	12
2-Propanol	0.73	1.2	1.8	2.9
Methylene Chloride	0.29	0.95	1.0	3.3
Hexane	0.15	0.28	0.51	0.98
2-Butanone (Methyl Ethyl Ketone)	0.73	0.58 J	2.2	1.7 J
Cyclohexane	0.15	0.054 J	0.50	0.18 J
Carbon Tetrachloride	0.15	0.066 J	0.92	0.41 J
2,2,4-Trimethylpentane	0.73	0.32 J	3.4	1.5 J
Benzene	0.15	0.11 J	0.47	0.35 J
Heptane	0.15	0.13 J	0.60	0.55 J
4-Methyl-2-pentanone	0.15	0.070 J	0.60	0.29 J
Toluene	0.15	0.41	0.55	1.5
m,p-Xylene	0.15	0.26	0.63	1.1
o-Xylene	0.15	0.065 J	0.63	0.28 J
Styrene	0.15	0.040 J	0.62	0.17 J
4-Ethyltoluene	0.15	0.071 J	0.72	0.35 J
1,3,5-Trimethylbenzene	0.15	0.042 J	0.72	0.21 J
1,2,4-Trimethylbenzene	0.15	0.070 J	0.72	0.34 J

**Client Sample ID: B3042AA**

**Lab ID#: 1510351A-10A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Freon 12	0.94	0.36 J	4.6	1.8 J
Chloromethane	0.94	1.0	1.9	2.1
Freon 11	0.19	0.24	1.0	1.3
Ethanol	0.94	2.6	1.8	4.9
Freon 113	0.19	0.094 J	1.4	0.72 J

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B3042AA**

**Lab ID#: 1510351A-10A**

Acetone	0.94	7.9	2.2	19
2-Propanol	0.94	1.4	2.3	3.3
Methylene Chloride	0.38	0.27 J	1.3	0.92 J
Hexane	0.19	0.46	0.66	1.6
2-Butanone (Methyl Ethyl Ketone)	0.94	1.6	2.8	4.8
Carbon Tetrachloride	0.19	0.11 J	1.2	0.69 J
2,2,4-Trimethylpentane	0.94	0.12 J	4.4	0.54 J
Heptane	0.19	0.22	0.77	0.88
4-Methyl-2-pentanone	0.19	0.068 J	0.77	0.28 J
Toluene	0.19	0.57	0.71	2.2
Ethyl Benzene	0.19	0.084 J	0.82	0.36 J
m,p-Xylene	0.19	0.21	0.82	0.92
o-Xylene	0.19	0.11 J	0.82	0.48 J
Styrene	0.19	0.12 J	0.80	0.52 J

**Client Sample ID: B8IA-2 101715**

**Lab ID#: 1510351A-11A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	0.38 J	3.9	1.9 J
Chloromethane	0.78	0.96	1.6	2.0
Freon 11	0.16	0.21	0.88	1.2
Ethanol	0.78	1.6	1.5	2.9
Acetone	0.78	9.2	1.9	22
2-Propanol	0.78	0.68 J	1.9	1.7 J
Carbon Disulfide	0.78	0.16 J	2.4	0.48 J
Methylene Chloride	0.31	0.25 J	1.1	0.87 J
Hexane	0.16	0.21	0.55	0.73
2-Butanone (Methyl Ethyl Ketone)	0.78	2.0	2.3	5.8
Cyclohexane	0.16	0.092 J	0.54	0.32 J
Carbon Tetrachloride	0.16	0.088 J	0.99	0.55 J
2,2,4-Trimethylpentane	0.78	0.047 J	3.7	0.22 J
Benzene	0.16	0.099 J	0.50	0.32 J
Heptane	0.16	0.15 J	0.64	0.62 J
4-Methyl-2-pentanone	0.16	0.095 J	0.64	0.39 J



Air Toxics

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

**Client Sample ID: B8IA-2 101715****Lab ID#: 1510351A-11A**

Toluene	0.16	0.26	0.59	0.99
2-Hexanone	0.78	0.24 J	3.2	0.99 J
m,p-Xylene	0.16	0.13 J	0.68	0.56 J
o-Xylene	0.16	0.058 J	0.68	0.25 J
4-Ethyltoluene	0.16	0.052 J	0.77	0.26 J
1,2,4-Trimethylbenzene	0.16	0.063 J	0.77	0.31 J

**Client Sample ID: B8IA-2D 101715****Lab ID#: 1510351A-12A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.88	0.47 J	4.4	2.3 J
Chloromethane	0.88	0.94	1.8	1.9
Freon 11	0.18	0.19	0.99	1.1
Ethanol	0.88	1.5	1.7	2.9
Acetone	0.88	3.8	2.1	9.0
2-Propanol	0.88	0.37 J	2.2	0.91 J
Methylene Chloride	0.35	0.13 J	1.2	0.44 J
Hexane	0.18	0.23	0.62	0.80
2-Butanone (Methyl Ethyl Ketone)	0.88	0.66 J	2.6	1.9 J
Carbon Tetrachloride	0.18	0.072 J	1.1	0.45 J
2,2,4-Trimethylpentane	0.88	0.041 J	4.1	0.19 J
Heptane	0.18	0.077 J	0.72	0.31 J
Toluene	0.18	0.28	0.67	1.0
m,p-Xylene	0.18	0.13 J	0.77	0.55 J
o-Xylene	0.18	0.045 J	0.77	0.20 J
Cumene	0.18	0.083 J	0.87	0.41 J
4-Ethyltoluene	0.18	0.058 J	0.87	0.29 J

**Client Sample ID: B8AA-1 101715****Lab ID#: 1510351A-13A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.79	0.53 J	3.9	2.6 J

**Summary of Detected Compounds**  
**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: B8AA-1 101715**

**Lab ID#: 1510351A-13A**

Chloromethane	0.79	1.0	1.6	2.1
Freon 11	0.16	0.22	0.89	1.3
Ethanol	0.79	1.6	1.5	3.1
Freon 113	0.16	0.079 J	1.2	0.60 J
Acetone	0.79	5.0	1.9	12
2-Propanol	0.79	0.50 J	1.9	1.2 J
Methylene Chloride	0.32	0.15 J	1.1	0.53 J
Hexane	0.16	0.61	0.56	2.2
2-Butanone (Methyl Ethyl Ketone)	0.79	0.56 J	2.3	1.7 J
Carbon Tetrachloride	0.16	0.088 J	0.99	0.55 J
2,2,4-Trimethylpentane	0.79	0.22 J	3.7	1.0 J
Benzene	0.16	0.14 J	0.50	0.44 J
Heptane	0.16	0.40	0.65	1.6
Toluene	0.16	0.30	0.60	1.1
Ethyl Benzene	0.16	0.061 J	0.69	0.27 J
m,p-Xylene	0.16	0.13 J	0.69	0.55 J
o-Xylene	0.16	0.099 J	0.69	0.43 J
1,2,4-Trimethylbenzene	0.16	0.054 J	0.78	0.27 J



Air Toxics

Client Sample ID: B30IA-1 101715

Lab ID#: 1510351A-01A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102108	Date of Collection: 10/18/15 11:00:00 A		
Dil. Factor:	1.66	Date of Analysis: 10/21/15 01:26 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.83	0.47 J	4.1	2.3 J
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.83	0.93	1.7	1.9
Vinyl Chloride	0.17	Not Detected	0.42	Not Detected
1,3-Butadiene	0.17	0.079 J	0.37	0.18 J
Bromomethane	0.83	Not Detected	3.2	Not Detected
Chloroethane	0.83	Not Detected	2.2	Not Detected
Freon 11	0.17	0.27	0.93	1.5
Ethanol	0.83	25	1.6	48
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Acetone	0.83	54	2.0	130
2-Propanol	0.83	25	2.0	61
Carbon Disulfide	0.83	0.92	2.6	2.9
3-Chloropropene	0.83	Not Detected	2.6	Not Detected
Methylene Chloride	0.33	2.8	1.2	9.7
Methyl tert-butyl ether	0.17	0.064 J	0.60	0.23 J
trans-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Hexane	0.17	3.5	0.58	12
1,1-Dichloroethane	0.17	Not Detected	0.67	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.83	6.6	2.4	19
cis-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Tetrahydrofuran	0.83	1.1	2.4	3.2
Chloroform	0.17	0.064 J	0.81	0.31 J
1,1,1-Trichloroethane	0.17	Not Detected	0.90	Not Detected
Cyclohexane	0.17	0.63	0.57	2.2
Carbon Tetrachloride	0.17	0.062 J	1.0	0.39 J
2,2,4-Trimethylpentane	0.83	0.80 J	3.9	3.8 J
Benzene	0.17	0.47	0.53	1.5
1,2-Dichloroethane	0.17	0.077 J	0.67	0.31 J
Heptane	0.17	2.6	0.68	11
Trichloroethene	0.17	0.051 J	0.89	0.27 J
1,2-Dichloropropane	0.17	0.71	0.77	3.3
1,4-Dioxane	0.17	Not Detected	0.60	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.75	Not Detected
4-Methyl-2-pentanone	0.17	0.34	0.68	1.4
Toluene	0.17	9.3	0.62	35
trans-1,3-Dichloropropene	0.17	Not Detected	0.75	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.90	Not Detected
Tetrachloroethene	0.17	Not Detected	1.1	Not Detected
2-Hexanone	0.83	0.33 J	3.4	1.3 J



Air Toxics

Client Sample ID: B30IA-1 101715

Lab ID#: 1510351A-01A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102108	<b>Date of Collection:</b> 10/18/15 11:00:00 A		
<b>Dil. Factor:</b>	1.66	<b>Date of Analysis:</b> 10/21/15 01:26 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	0.033 J	0.76	0.15 J
Ethyl Benzene	0.17	1.1	0.72	4.9
m,p-Xylene	0.17	3.7	0.72	16
o-Xylene	0.17	0.87	0.72	3.8
Styrene	0.17	2.5	0.71	10
Bromoform	0.17	Not Detected	1.7	Not Detected
Cumene	0.17	0.11 J	0.82	0.56 J
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.1	Not Detected
Propylbenzene	0.17	Not Detected	0.82	Not Detected
4-Ethyltoluene	0.17	0.23	0.82	1.1
1,3,5-Trimethylbenzene	0.17	0.054 J	0.82	0.26 J
1,2,4-Trimethylbenzene	0.17	0.18	0.82	0.87
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.83	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.83	Not Detected UJ	6.2	Not Detected UJ
Hexachlorobutadiene	0.83	Not Detected	8.8	Not Detected
Naphthalene	0.83	Not Detected	4.4	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: B30IA-2 101715

Lab ID#: 1510351A-02A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102109	<b>Date of Collection:</b> 10/18/15 11:26:00 A		
<b>Dil. Factor:</b>	1.67	<b>Date of Analysis:</b> 10/21/15 02:19 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.84	0.37 J	4.1	1.8 J
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.84	0.80 J	1.7	1.6 J
Vinyl Chloride	0.17	Not Detected	0.43	Not Detected
1,3-Butadiene	0.17	Not Detected	0.37	Not Detected
Bromomethane	0.84	Not Detected	3.2	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.17	0.21	0.94	1.2
Ethanol	0.84	8.1	1.6	15
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Acetone	0.84	17	2.0	42
2-Propanol	0.84	16	2.0	39
Carbon Disulfide	0.84	0.11 J	2.6	0.36 J
3-Chloropropene	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.33	0.16 J	1.2	0.57 J
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Hexane	0.17	0.28	0.59	0.97
1,1-Dichloroethane	0.17	Not Detected	0.68	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	3.2	2.5	9.5
cis-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.17	Not Detected	0.82	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.91	Not Detected
Cyclohexane	0.17	0.066 J	0.57	0.23 J
Carbon Tetrachloride	0.17	0.059 J	1.0	0.37 J
2,2,4-Trimethylpentane	0.84	0.064 J	3.9	0.30 J
Benzene	0.17	0.092 J	0.53	0.29 J
1,2-Dichloroethane	0.17	0.070 J	0.68	0.28 J
Heptane	0.17	0.23	0.68	0.94
Trichloroethene	0.17	Not Detected	0.90	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.77	Not Detected
1,4-Dioxane	0.17	Not Detected	0.60	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
4-Methyl-2-pentanone	0.17	0.18	0.68	0.73
Toluene	0.17	0.49	0.63	1.8
trans-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.91	Not Detected
Tetrachloroethene	0.17	Not Detected	1.1	Not Detected
2-Hexanone	0.84	0.39 J	3.4	1.6 J



Air Toxics

Client Sample ID: B30IA-2 101715

Lab ID#: 1510351A-02A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102109	<b>Date of Collection:</b> 10/18/15 11:26:00 A		
<b>Dil. Factor:</b>	1.67	<b>Date of Analysis:</b> 10/21/15 02:19 PM		
<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (ug/m3)</b>	<b>Amount (ug/m3)</b>
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.77	Not Detected
Ethyl Benzene	0.17	Not Detected	0.72	Not Detected
m,p-Xylene	0.17	0.16 J	0.72	0.69 J
o-Xylene	0.17	0.063 J	0.72	0.27 J
Styrene	0.17	0.051 J	0.71	0.22 J
Bromoform	0.17	Not Detected	1.7	Not Detected
Cumene	0.17	Not Detected	0.82	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.1	Not Detected
Propylbenzene	0.17	Not Detected	0.82	Not Detected
4-Ethyltoluene	0.17	0.044 J	0.82	0.22 J
1,3,5-Trimethylbenzene	0.17	0.035 J	0.82	0.17 J
1,2,4-Trimethylbenzene	0.17	0.069 J	0.82	0.34 J
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.84	Not Detected UJ	6.2	Not Detected UJ
Hexachlorobutadiene	0.84	Not Detected	8.9	Not Detected
Naphthalene	0.84	Not Detected	4.4	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: B30IA-3 101715

Lab ID#: 1510351A-03A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

<b>File Name:</b>	v102110	<b>Date of Collection:</b> 10/18/15 11:59:00 A		
<b>Dil. Factor:</b>	1.72	<b>Date of Analysis:</b> 10/21/15 03:05 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.86	0.41 J	4.2	2.0 J
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.86	0.74 J	1.8	1.5 J
Vinyl Chloride	0.17	Not Detected	0.44	Not Detected
1,3-Butadiene	0.17	Not Detected	0.38	Not Detected
Bromomethane	0.86	Not Detected	3.3	Not Detected
Chloroethane	0.86	Not Detected	2.3	Not Detected
Freon 11	0.17	0.25	0.97	1.4
Ethanol	0.86	4.9	1.6	9.2
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	5.4	2.0	13
2-Propanol	0.86	13	2.1	32
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
3-Chloropropene	0.86	Not Detected	2.7	Not Detected
Methylene Chloride	0.34	0.34	1.2	1.2
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Hexane	0.17	0.18	0.61	0.62
1,1-Dichloroethane	0.17	Not Detected	0.70	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	0.70 J	2.5	2.0 J
cis-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Chloroform	0.17	Not Detected	0.84	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.94	Not Detected
Cyclohexane	0.17	Not Detected	0.59	Not Detected
Carbon Tetrachloride	0.17	0.084 J	1.1	0.53 J
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Benzene	0.17	0.093 J	0.55	0.30 J
1,2-Dichloroethane	0.17	Not Detected	0.70	Not Detected
Heptane	0.17	0.071 J	0.70	0.29 J
Trichloroethene	0.17	0.24	0.92	1.3
1,2-Dichloropropane	0.17	Not Detected	0.79	Not Detected
1,4-Dioxane	0.17	Not Detected	0.62	Not Detected
Bromodichloromethane	0.17	Not Detected	1.2	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
4-Methyl-2-pentanone	0.17	0.055 J	0.70	0.22 J
Toluene	0.17	0.32	0.65	1.2
trans-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.94	Not Detected
Tetrachloroethene	0.17	Not Detected	1.2	Not Detected
2-Hexanone	0.86	Not Detected	3.5	Not Detected



Air Toxics

Client Sample ID: B30IA-3 101715

Lab ID#: 1510351A-03A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102110	<b>Date of Collection:</b> 10/18/15 11:59:00 A		
<b>Dil. Factor:</b>	1.72	<b>Date of Analysis:</b> 10/21/15 03:05 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.17	Not Detected	1.5	Not Detected
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.79	Not Detected
Ethyl Benzene	0.17	Not Detected	0.75	Not Detected
m,p-Xylene	0.17	0.11 J	0.75	0.49 J
o-Xylene	0.17	0.047 J	0.75	0.21 J
Styrene	0.17	0.094 J	0.73	0.40 J
Bromoform	0.17	Not Detected	1.8	Not Detected
Cumene	0.17	Not Detected	0.84	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
Propylbenzene	0.17	Not Detected	0.84	Not Detected
4-Ethyltoluene	0.17	0.053 J	0.84	0.26 J
1,3,5-Trimethylbenzene	0.17	Not Detected	0.84	Not Detected
1,2,4-Trimethylbenzene	0.17	0.048 J	0.84	0.23 J
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.86	Not Detected UJ	6.4	Not Detected UJ
Hexachlorobutadiene	0.86	Not Detected	9.2	Not Detected
Naphthalene	0.86	Not Detected	4.5	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	88	70-130



Air Toxics

Client Sample ID: B30IA-4 101715

Lab ID#: 1510351A-04A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102111	Date of Collection:	10/18/15 11:38:00 A	
Dil. Factor:	1.60	Date of Analysis:	10/21/15 03:41 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.80	0.45 J	4.0	2.2 J
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.80	0.91	1.6	1.9
Vinyl Chloride	0.16	Not Detected	0.41	Not Detected
1,3-Butadiene	0.16	Not Detected	0.35	Not Detected
Bromomethane	0.80	Not Detected	3.1	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
Freon 11	0.16	0.25	0.90	1.4
Ethanol	0.80	5.8	1.5	11
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.80	12	1.9	30
2-Propanol	0.80	13	2.0	32
Carbon Disulfide	0.80	0.16 J	2.5	0.49 J
3-Chloropropene	0.80	Not Detected	2.5	Not Detected
Methylene Chloride	0.32	0.66	1.1	2.3
Methyl tert-butyl ether	0.16	Not Detected	0.58	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Hexane	0.16	0.36	0.56	1.3
1,1-Dichloroethane	0.16	Not Detected	0.65	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	1.1	2.4	3.4
cis-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Chloroform	0.16	Not Detected	0.78	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.87	Not Detected
Cyclohexane	0.16	0.13 J	0.55	0.44 J
Carbon Tetrachloride	0.16	0.067 J	1.0	0.42 J
2,2,4-Trimethylpentane	0.80	0.042 J	3.7	0.20 J
Benzene	0.16	0.10 J	0.51	0.32 J
1,2-Dichloroethane	0.16	Not Detected	0.65	Not Detected
Heptane	0.16	0.20	0.66	0.84
Trichloroethene	0.16	Not Detected	0.86	Not Detected
1,2-Dichloropropane	0.16	0.068 J	0.74	0.31 J
1,4-Dioxane	0.16	Not Detected	0.58	Not Detected
Bromodichloromethane	0.16	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
4-Methyl-2-pentanone	0.16	0.098 J	0.66	0.40 J
Toluene	0.16	1.0	0.60	4.0
trans-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.87	Not Detected
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
2-Hexanone	0.80	Not Detected	3.3	Not Detected



Air Toxics

Client Sample ID: B30IA-4 101715

Lab ID#: 1510351A-04A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102111	<b>Date of Collection:</b> 10/18/15 11:38:00 A		
<b>Dil. Factor:</b>	1.60	<b>Date of Analysis:</b> 10/21/15 03:41 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.16	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.74	Not Detected
Ethyl Benzene	0.16	0.16	0.69	0.71
m,p-Xylene	0.16	0.35	0.69	1.5
o-Xylene	0.16	0.17	0.69	0.76
Styrene	0.16	0.20	0.68	0.87
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	Not Detected	0.79	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.79	Not Detected
4-Ethyltoluene	0.16	0.055 J	0.79	0.27 J
1,3,5-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,2,4-Trimethylbenzene	0.16	0.062 J	0.79	0.30 J
1,3-Dichlorobenzene	0.16	Not Detected	0.96	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.96	Not Detected
alpha-Chlorotoluene	0.80	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.96	Not Detected
1,2,4-Trichlorobenzene	0.80	Not Detected UJ	5.9	Not Detected UJ
Hexachlorobutadiene	0.80	Not Detected	8.5	Not Detected
Naphthalene	0.80	0.49 J	4.2	2.6 J

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: B30IA-4D 101715

Lab ID#: 1510351A-05A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

File Name:	v102122	Date of Collection:	10/18/15 11:38:00 A	
Dil. Factor:	1.51	Date of Analysis:	10/21/15 11:01 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.76	0.45 J	3.7	2.2 J
Freon 114	0.15	Not Detected	1.0	Not Detected
Chloromethane	0.76	0.93	1.6	1.9
Vinyl Chloride	0.15	Not Detected	0.38	Not Detected
1,3-Butadiene	0.15	Not Detected	0.33	Not Detected
Bromomethane	0.76	Not Detected	2.9	Not Detected
Chloroethane	0.76	Not Detected	2.0	Not Detected
Freon 11	0.15	0.26	0.85	1.4
Ethanol	0.76	5.5	1.4	10
Freon 113	0.15	0.064 J	1.2	0.49 J
1,1-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Acetone	0.76	8.6	1.8	20
2-Propanol	0.76	12	1.8	29
Carbon Disulfide	0.76	0.19 J	2.4	0.59 J
3-Chloropropene	0.76	Not Detected	2.4	Not Detected
Methylene Chloride	0.30	0.67	1.0	2.3
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Hexane	0.15	0.23	0.53	0.83
1,1-Dichloroethane	0.15	Not Detected	0.61	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	1.2	2.2	3.6
cis-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Tetrahydrofuran	0.76	Not Detected	2.2	Not Detected
Chloroform	0.15	Not Detected	0.74	Not Detected
1,1,1-Trichloroethane	0.15	Not Detected	0.82	Not Detected
Cyclohexane	0.15	Not Detected	0.52	Not Detected
Carbon Tetrachloride	0.15	0.053 J	0.95	0.33 J
2,2,4-Trimethylpentane	0.76	0.056 J	3.5	0.26 J
Benzene	0.15	0.11 J	0.48	0.35 J
1,2-Dichloroethane	0.15	0.053 J	0.61	0.21 J
Heptane	0.15	0.16	0.62	0.65
Trichloroethene	0.15	0.19	0.81	1.0
1,2-Dichloropropane	0.15	Not Detected	0.70	Not Detected
1,4-Dioxane	0.15	Not Detected	0.54	Not Detected
Bromodichloromethane	0.15	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
4-Methyl-2-pentanone	0.15	0.70	0.62	2.9
Toluene	0.15	0.44	0.57	1.7
trans-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.82	Not Detected
Tetrachloroethene	0.15	Not Detected	1.0	Not Detected
2-Hexanone	0.76	0.17 J	3.1	0.69 J



Air Toxics

Client Sample ID: B30IA-4D 101715

Lab ID#: 1510351A-05A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102122	<b>Date of Collection:</b> 10/18/15 11:38:00 A		
<b>Dil. Factor:</b>	1.51	<b>Date of Analysis:</b> 10/21/15 11:01 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.15	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.2	Not Detected
Chlorobenzene	0.15	Not Detected	0.70	Not Detected
Ethyl Benzene	0.15	0.11 J	0.66	0.47 J
m,p-Xylene	0.15	0.24	0.66	1.0
o-Xylene	0.15	0.12 J	0.66	0.54 J
Styrene	0.15	0.091 J	0.64	0.39 J
Bromoform	0.15	Not Detected	1.6	Not Detected
Cumene	0.15	Not Detected	0.74	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
Propylbenzene	0.15	Not Detected	0.74	Not Detected
4-Ethyltoluene	0.15	0.11 J	0.74	0.54 J
1,3,5-Trimethylbenzene	0.15	0.047 J	0.74	0.23 J
1,2,4-Trimethylbenzene	0.15	0.13 J	0.74	0.62 J
1,3-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,4-Dichlorobenzene	0.15	0.085 J	0.91	0.51 J
alpha-Chlorotoluene	0.76	Not Detected	3.9	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,2,4-Trichlorobenzene	0.76	Not Detected UJ	5.6	Not Detected UJ
Hexachlorobutadiene	0.76	Not Detected	8.0	Not Detected
Naphthalene	0.76	0.31 J	4.0	1.6 J

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: B30IA-5 101715

Lab ID#: 1510351A-06A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

<b>File Name:</b>	v102112	<b>Date of Collection:</b> 10/18/15 11:32:00 A		
<b>Dil. Factor:</b>	1.69	<b>Date of Analysis:</b> 10/21/15 04:17 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.84	0.23 J	4.2	1.2 J
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.84	0.75 J	1.7	1.6 J
Vinyl Chloride	0.17	Not Detected	0.43	Not Detected
1,3-Butadiene	0.17	Not Detected	0.37	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.17	0.24	0.95	1.3
Ethanol	0.84	5.2	1.6	9.7
Freon 113	0.17	0.074 J	1.3	0.57 J
1,1-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	9.7	2.0	23
2-Propanol	0.84	9.0	2.1	22
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
3-Chloropropene	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.34	0.32 J	1.2	1.1 J
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Hexane	0.17	0.28	0.60	0.99
1,1-Dichloroethane	0.17	Not Detected	0.68	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	0.91	2.5	2.7
cis-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.17	Not Detected	0.82	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Cyclohexane	0.17	Not Detected	0.58	Not Detected
Carbon Tetrachloride	0.17	0.050 J	1.1	0.31 J
2,2,4-Trimethylpentane	0.84	0.044 J	3.9	0.20 J
Benzene	0.17	0.13 J	0.54	0.41 J
1,2-Dichloroethane	0.17	0.029 J	0.68	0.12 J
Heptane	0.17	0.19	0.69	0.77
Trichloroethene	0.17	Not Detected	0.91	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.78	Not Detected
1,4-Dioxane	0.17	Not Detected	0.61	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.77	Not Detected
4-Methyl-2-pentanone	0.17	0.10 J	0.69	0.42 J
Toluene	0.17	0.97	0.64	3.7
trans-1,3-Dichloropropene	0.17	Not Detected	0.77	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Tetrachloroethene	0.17	Not Detected	1.1	Not Detected
2-Hexanone	0.84	Not Detected	3.5	Not Detected



Air Toxics

Client Sample ID: B30IA-5 101715

Lab ID#: 1510351A-06A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102112	<b>Date of Collection:</b> 10/18/15 11:32:00 A		
<b>Dil. Factor:</b>	1.69	<b>Date of Analysis:</b> 10/21/15 04:17 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.78	Not Detected
Ethyl Benzene	0.17	0.12 J	0.73	0.52 J
m,p-Xylene	0.17	0.40	0.73	1.7
o-Xylene	0.17	0.13 J	0.73	0.55 J
Styrene	0.17	0.24	0.72	1.0
Bromoform	0.17	Not Detected	1.7	Not Detected
Cumene	0.17	Not Detected	0.83	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
Propylbenzene	0.17	Not Detected	0.83	Not Detected
4-Ethyltoluene	0.17	0.061 J	0.83	0.30 J
1,3,5-Trimethylbenzene	0.17	0.039 J	0.83	0.19 J
1,2,4-Trimethylbenzene	0.17	0.091 J	0.83	0.44 J
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.84	Not Detected UJ	6.3	Not Detected UJ
Hexachlorobutadiene	0.84	Not Detected	9.0	Not Detected
Naphthalene	0.84	Not Detected	4.4	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: B42IA-1 101715

Lab ID#: 1510351A-07A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102113	Date of Collection:	10/18/15 12:38:00 P	
Dil. Factor:	1.68	Date of Analysis:	10/21/15 04:53 PM	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.84	0.74 J	4.2	3.6 J
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.84	0.91	1.7	1.9
Vinyl Chloride	0.17	Not Detected	0.43	Not Detected
1,3-Butadiene	0.17	Not Detected	0.37	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.17	0.24	0.94	1.3
Ethanol	0.84	5.4	1.6	10
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	10	2.0	25
2-Propanol	0.84	1.2	2.1	2.9
Carbon Disulfide	0.84	6.9	2.6	22
3-Chloropropene	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.34	0.71	1.2	2.5
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	0.18	0.67	0.73
Hexane	0.17	0.41	0.59	1.4
1,1-Dichloroethane	0.17	Not Detected	0.68	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	2.0	2.5	6.0
cis-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Tetrahydrofuran	0.84	0.78 J	2.5	2.3 J
Chloroform	0.17	Not Detected	0.82	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Cyclohexane	0.17	0.10 J	0.58	0.36 J
Carbon Tetrachloride	0.17	0.12 J	1.0	0.73 J
2,2,4-Trimethylpentane	0.84	0.11 J	3.9	0.52 J
Benzene	0.17	0.16 J	0.54	0.50 J
1,2-Dichloroethane	0.17	Not Detected	0.68	Not Detected
Heptane	0.17	0.17	0.69	0.71
Trichloroethene	0.17	Not Detected	0.90	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.78	Not Detected
1,4-Dioxane	0.17	Not Detected	0.60	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
4-Methyl-2-pentanone	0.17	Not Detected	0.69	Not Detected
Toluene	0.17	0.81	0.63	3.0
trans-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Tetrachloroethene	0.17	Not Detected	1.1	Not Detected
2-Hexanone	0.84	Not Detected	3.4	Not Detected



Air Toxics

Client Sample ID: B42IA-1 101715

Lab ID#: 1510351A-07A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102113	<b>Date of Collection:</b> 10/18/15 12:38:00 P		
<b>Dil. Factor:</b>	1.68	<b>Date of Analysis:</b> 10/21/15 04:53 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.77	Not Detected
Ethyl Benzene	0.17	0.15 J	0.73	0.66 J
m,p-Xylene	0.17	0.51	0.73	2.2
o-Xylene	0.17	0.18	0.73	0.78
Styrene	0.17	0.063 J	0.72	0.27 J
Bromoform	0.17	Not Detected	1.7	Not Detected
Cumene	0.17	Not Detected	0.82	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
Propylbenzene	0.17	Not Detected	0.82	Not Detected
4-Ethyltoluene	0.17	0.11 J	0.82	0.56 J
1,3,5-Trimethylbenzene	0.17	0.078 J	0.82	0.38 J
1,2,4-Trimethylbenzene	0.17	0.15 J	0.82	0.75 J
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	0.11 J	1.0	0.64 J
alpha-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.84	Not Detected UJ	6.2	Not Detected UJ
Hexachlorobutadiene	0.84	Not Detected	9.0	Not Detected
Naphthalene	0.84	0.24 J	4.4	1.3 J

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: B42IA-2 101715

Lab ID#: 1510351A-08A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102114	Date of Collection: 10/18/15 7:54:00 AM		
Dil. Factor:	1.57	Date of Analysis: 10/21/15 05:49 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	0.52 J	3.9	2.6 J
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.78	0.73 J	1.6	1.5 J
Vinyl Chloride	0.16	Not Detected	0.40	Not Detected
1,3-Butadiene	0.16	Not Detected	0.35	Not Detected
Bromomethane	0.78	Not Detected	3.0	Not Detected
Chloroethane	0.78	Not Detected	2.1	Not Detected
Freon 11	0.16	0.21	0.88	1.2
Ethanol	0.78	3.2	1.5	6.1
Freon 113	0.16	0.066 J	1.2	0.50 J
1,1-Dichloroethene	0.16	Not Detected	0.62	Not Detected
Acetone	0.78	5.2	1.9	12
2-Propanol	0.78	0.54 J	1.9	1.3 J
Carbon Disulfide	0.78	Not Detected	2.4	Not Detected
3-Chloropropene	0.78	Not Detected	2.4	Not Detected
Methylene Chloride	0.31	0.44	1.1	1.5
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.62	Not Detected
Hexane	0.16	0.23	0.55	0.82
1,1-Dichloroethane	0.16	Not Detected	0.64	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.78	0.75 J	2.3	2.2 J
cis-1,2-Dichloroethene	0.16	Not Detected	0.62	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.16	Not Detected	0.77	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Cyclohexane	0.16	0.087 J	0.54	0.30 J
Carbon Tetrachloride	0.16	0.077 J	0.99	0.49 J
2,2,4-Trimethylpentane	0.78	0.067 J	3.7	0.31 J
Benzene	0.16	0.098 J	0.50	0.31 J
1,2-Dichloroethane	0.16	Not Detected	0.64	Not Detected
Heptane	0.16	0.10 J	0.64	0.43 J
Trichloroethene	0.16	Not Detected	0.84	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.72	Not Detected
1,4-Dioxane	0.16	Not Detected	0.56	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.71	Not Detected
4-Methyl-2-pentanone	0.16	0.062 J	0.64	0.25 J
Toluene	0.16	0.62	0.59	2.3
trans-1,3-Dichloropropene	0.16	Not Detected	0.71	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
2-Hexanone	0.78	Not Detected	3.2	Not Detected



Air Toxics

Client Sample ID: B42IA-2 101715

Lab ID#: 1510351A-08A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102114	<b>Date of Collection:</b> 10/18/15 7:54:00 AM		
<b>Dil. Factor:</b>	1.57	<b>Date of Analysis:</b> 10/21/15 05:49 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.72	Not Detected
Ethyl Benzene	0.16	Not Detected	0.68	Not Detected
m,p-Xylene	0.16	0.27	0.68	1.2
o-Xylene	0.16	0.087 J	0.68	0.38 J
Styrene	0.16	0.041 J	0.67	0.17 J
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	0.026 J	0.77	0.13 J
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.77	Not Detected
4-Ethyltoluene	0.16	0.074 J	0.77	0.36 J
1,3,5-Trimethylbenzene	0.16	Not Detected	0.77	Not Detected
1,2,4-Trimethylbenzene	0.16	0.072 J	0.77	0.36 J
1,3-Dichlorobenzene	0.16	Not Detected	0.94	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.94	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.94	Not Detected
1,2,4-Trichlorobenzene	0.78	Not Detected UJ	5.8	Not Detected UJ
Hexachlorobutadiene	0.78	Not Detected	8.4	Not Detected
Naphthalene	0.78	Not Detected	4.1	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: B42IA-3 101715

Lab ID#: 1510351A-09A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

<b>File Name:</b>	v102115	<b>Date of Collection:</b> 10/18/15 7:52:00 AM		
<b>Dil. Factor:</b>	1.46	<b>Date of Analysis:</b> 10/21/15 06:25 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.73	0.54 J	3.6	2.7 J
Freon 114	0.15	Not Detected	1.0	Not Detected
Chloromethane	0.73	0.79	1.5	1.6
Vinyl Chloride	0.15	Not Detected	0.37	Not Detected
1,3-Butadiene	0.15	Not Detected	0.32	Not Detected
Bromomethane	0.73	Not Detected	2.8	Not Detected
Chloroethane	0.73	Not Detected	1.9	Not Detected
Freon 11	0.15	0.20	0.82	1.1
Ethanol	0.73	6.3	1.4	12
Freon 113	0.15	0.065 J	1.1	0.50 J
1,1-Dichloroethene	0.15	Not Detected	0.58	Not Detected
Acetone	0.73	4.9	1.7	12
2-Propanol	0.73	1.2	1.8	2.9
Carbon Disulfide	0.73	Not Detected	2.3	Not Detected
3-Chloropropene	0.73	Not Detected	2.3	Not Detected
Methylene Chloride	0.29	0.95	1.0	3.3
Methyl tert-butyl ether	0.15	Not Detected	0.53	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.58	Not Detected
Hexane	0.15	0.28	0.51	0.98
1,1-Dichloroethane	0.15	Not Detected	0.59	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.73	0.58 J	2.2	1.7 J
cis-1,2-Dichloroethene	0.15	Not Detected	0.58	Not Detected
Tetrahydrofuran	0.73	Not Detected	2.2	Not Detected
Chloroform	0.15	Not Detected	0.71	Not Detected
1,1,1-Trichloroethane	0.15	Not Detected	0.80	Not Detected
Cyclohexane	0.15	0.054 J	0.50	0.18 J
Carbon Tetrachloride	0.15	0.066 J	0.92	0.41 J
2,2,4-Trimethylpentane	0.73	0.32 J	3.4	1.5 J
Benzene	0.15	0.11 J	0.47	0.35 J
1,2-Dichloroethane	0.15	Not Detected	0.59	Not Detected
Heptane	0.15	0.13 J	0.60	0.55 J
Trichloroethene	0.15	Not Detected	0.78	Not Detected
1,2-Dichloropropane	0.15	Not Detected	0.67	Not Detected
1,4-Dioxane	0.15	Not Detected	0.53	Not Detected
Bromodichloromethane	0.15	Not Detected	0.98	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.66	Not Detected
4-Methyl-2-pentanone	0.15	0.070 J	0.60	0.29 J
Toluene	0.15	0.41	0.55	1.5
trans-1,3-Dichloropropene	0.15	Not Detected	0.66	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.80	Not Detected
Tetrachloroethene	0.15	Not Detected	0.99	Not Detected
2-Hexanone	0.73	Not Detected	3.0	Not Detected



Air Toxics

Client Sample ID: B42IA-3 101715

Lab ID#: 1510351A-09A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102115	<b>Date of Collection:</b> 10/18/15 7:52:00 AM		
<b>Dil. Factor:</b>	1.46	<b>Date of Analysis:</b> 10/21/15 06:25 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.15	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.1	Not Detected
Chlorobenzene	0.15	Not Detected	0.67	Not Detected
Ethyl Benzene	0.15	Not Detected	0.63	Not Detected
m,p-Xylene	0.15	0.26	0.63	1.1
o-Xylene	0.15	0.065 J	0.63	0.28 J
Styrene	0.15	0.040 J	0.62	0.17 J
Bromoform	0.15	Not Detected	1.5	Not Detected
Cumene	0.15	Not Detected	0.72	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
Propylbenzene	0.15	Not Detected	0.72	Not Detected
4-Ethyltoluene	0.15	0.071 J	0.72	0.35 J
1,3,5-Trimethylbenzene	0.15	0.042 J	0.72	0.21 J
1,2,4-Trimethylbenzene	0.15	0.070 J	0.72	0.34 J
1,3-Dichlorobenzene	0.15	Not Detected	0.88	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.88	Not Detected
alpha-Chlorotoluene	0.73	Not Detected	3.8	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.88	Not Detected
1,2,4-Trichlorobenzene	0.73	Not Detected UJ	5.4	Not Detected UJ
Hexachlorobutadiene	0.73	Not Detected	7.8	Not Detected
Naphthalene	0.73	Not Detected	3.8	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: B3042AA

Lab ID#: 1510351A-10A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

<b>File Name:</b>	v102116	<b>Date of Collection:</b> 10/18/15 1:45:00 PM		
<b>Dil. Factor:</b>	1.88	<b>Date of Analysis:</b> 10/21/15 07:04 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.94	0.36 J	4.6	1.8 J
Freon 114	0.19	Not Detected	1.3	Not Detected
Chloromethane	0.94	1.0	1.9	2.1
Vinyl Chloride	0.19	Not Detected	0.48	Not Detected
1,3-Butadiene	0.19	Not Detected	0.42	Not Detected
Bromomethane	0.94	Not Detected	3.6	Not Detected
Chloroethane	0.94	Not Detected	2.5	Not Detected
Freon 11	0.19	0.24	1.0	1.3
Ethanol	0.94	2.6	1.8	4.9
Freon 113	0.19	0.094 J	1.4	0.72 J
1,1-Dichloroethene	0.19	Not Detected	0.74	Not Detected
Acetone	0.94	7.9	2.2	19
2-Propanol	0.94	1.4	2.3	3.3
Carbon Disulfide	0.94	Not Detected	2.9	Not Detected
3-Chloropropene	0.94	Not Detected	2.9	Not Detected
Methylene Chloride	0.38	0.27 J	1.3	0.92 J
Methyl tert-butyl ether	0.19	Not Detected	0.68	Not Detected
trans-1,2-Dichloroethene	0.19	Not Detected	0.74	Not Detected
Hexane	0.19	0.46	0.66	1.6
1,1-Dichloroethane	0.19	Not Detected	0.76	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	1.6	2.8	4.8
cis-1,2-Dichloroethene	0.19	Not Detected	0.74	Not Detected
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
Chloroform	0.19	Not Detected	0.92	Not Detected
1,1,1-Trichloroethane	0.19	Not Detected	1.0	Not Detected
Cyclohexane	0.19	Not Detected	0.65	Not Detected
Carbon Tetrachloride	0.19	0.11 J	1.2	0.69 J
2,2,4-Trimethylpentane	0.94	0.12 J	4.4	0.54 J
Benzene	0.19	Not Detected	0.60	Not Detected
1,2-Dichloroethane	0.19	Not Detected	0.76	Not Detected
Heptane	0.19	0.22	0.77	0.88
Trichloroethene	0.19	Not Detected	1.0	Not Detected
1,2-Dichloropropane	0.19	Not Detected	0.87	Not Detected
1,4-Dioxane	0.19	Not Detected	0.68	Not Detected
Bromodichloromethane	0.19	Not Detected	1.2	Not Detected
cis-1,3-Dichloropropene	0.19	Not Detected	0.85	Not Detected
4-Methyl-2-pentanone	0.19	0.068 J	0.77	0.28 J
Toluene	0.19	0.57	0.71	2.2
trans-1,3-Dichloropropene	0.19	Not Detected	0.85	Not Detected
1,1,2-Trichloroethane	0.19	Not Detected	1.0	Not Detected
Tetrachloroethene	0.19	Not Detected	1.3	Not Detected
2-Hexanone	0.94	Not Detected	3.8	Not Detected



Air Toxics

Client Sample ID: B3042AA

Lab ID#: 1510351A-10A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102116	<b>Date of Collection:</b> 10/18/15 1:45:00 PM		
<b>Dil. Factor:</b>	1.88	<b>Date of Analysis:</b> 10/21/15 07:04 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.19	Not Detected	1.6	Not Detected
1,2-Dibromoethane (EDB)	0.19	Not Detected	1.4	Not Detected
Chlorobenzene	0.19	Not Detected	0.86	Not Detected
Ethyl Benzene	0.19	0.084 J	0.82	0.36 J
m,p-Xylene	0.19	0.21	0.82	0.92
o-Xylene	0.19	0.11 J	0.82	0.48 J
Styrene	0.19	0.12 J	0.80	0.52 J
Bromoform	0.19	Not Detected	1.9	Not Detected
Cumene	0.19	Not Detected	0.92	Not Detected
1,1,2,2-Tetrachloroethane	0.19	Not Detected	1.3	Not Detected
Propylbenzene	0.19	Not Detected	0.92	Not Detected
4-Ethyltoluene	0.19	Not Detected	0.92	Not Detected
1,3,5-Trimethylbenzene	0.19	Not Detected	0.92	Not Detected
1,2,4-Trimethylbenzene	0.19	Not Detected	0.92	Not Detected
1,3-Dichlorobenzene	0.19	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.19	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.94	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.19	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.94	Not Detected UJ	7.0	Not Detected UJ
Hexachlorobutadiene	0.94	Not Detected	10	Not Detected
Naphthalene	0.94	Not Detected	4.9	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: B8IA-2 101715

Lab ID#: 1510351A-11A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

<b>File Name:</b>	v102117	<b>Date of Collection:</b> 10/18/15 11:45:00 A		
<b>Dil. Factor:</b>	1.57	<b>Date of Analysis:</b> 10/21/15 07:40 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	0.38 J	3.9	1.9 J
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.78	0.96	1.6	2.0
Vinyl Chloride	0.16	Not Detected	0.40	Not Detected
1,3-Butadiene	0.16	Not Detected	0.35	Not Detected
Bromomethane	0.78	Not Detected	3.0	Not Detected
Chloroethane	0.78	Not Detected	2.1	Not Detected
Freon 11	0.16	0.21	0.88	1.2
Ethanol	0.78	1.6	1.5	2.9
Freon 113	0.16	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.62	Not Detected
Acetone	0.78	9.2	1.9	22
2-Propanol	0.78	0.68 J	1.9	1.7 J
Carbon Disulfide	0.78	0.16 J	2.4	0.48 J
3-Chloropropene	0.78	Not Detected	2.4	Not Detected
Methylene Chloride	0.31	0.25 J	1.1	0.87 J
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.62	Not Detected
Hexane	0.16	0.21	0.55	0.73
1,1-Dichloroethane	0.16	Not Detected	0.64	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.78	2.0	2.3	5.8
cis-1,2-Dichloroethene	0.16	Not Detected	0.62	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.16	Not Detected	0.77	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Cyclohexane	0.16	0.092 J	0.54	0.32 J
Carbon Tetrachloride	0.16	0.088 J	0.99	0.55 J
2,2,4-Trimethylpentane	0.78	0.047 J	3.7	0.22 J
Benzene	0.16	0.099 J	0.50	0.32 J
1,2-Dichloroethane	0.16	Not Detected	0.64	Not Detected
Heptane	0.16	0.15 J	0.64	0.62 J
Trichloroethene	0.16	Not Detected	0.84	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.72	Not Detected
1,4-Dioxane	0.16	Not Detected	0.56	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.71	Not Detected
4-Methyl-2-pentanone	0.16	0.095 J	0.64	0.39 J
Toluene	0.16	0.26	0.59	0.99
trans-1,3-Dichloropropene	0.16	Not Detected	0.71	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
2-Hexanone	0.78	0.24 J	3.2	0.99 J



Air Toxics

Client Sample ID: B8IA-2 101715

Lab ID#: 1510351A-11A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102117	<b>Date of Collection:</b> 10/18/15 11:45:00 A		
<b>Dil. Factor:</b>	1.57	<b>Date of Analysis:</b> 10/21/15 07:40 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.72	Not Detected
Ethyl Benzene	0.16	Not Detected	0.68	Not Detected
m,p-Xylene	0.16	0.13 J	0.68	0.56 J
o-Xylene	0.16	0.058 J	0.68	0.25 J
Styrene	0.16	Not Detected	0.67	Not Detected
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	Not Detected	0.77	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.77	Not Detected
4-Ethyltoluene	0.16	0.052 J	0.77	0.26 J
1,3,5-Trimethylbenzene	0.16	Not Detected	0.77	Not Detected
1,2,4-Trimethylbenzene	0.16	0.063 J	0.77	0.31 J
1,3-Dichlorobenzene	0.16	Not Detected	0.94	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.94	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.94	Not Detected
1,2,4-Trichlorobenzene	0.78	Not Detected UJ	5.8	Not Detected UJ
Hexachlorobutadiene	0.78	Not Detected	8.4	Not Detected
Naphthalene	0.78	Not Detected	4.1	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: B8IA-2D 101715

Lab ID#: 1510351A-12A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102118	<b>Date of Collection:</b> 10/18/15 11:45:00 A		
<b>Dil. Factor:</b>	1.77	<b>Date of Analysis:</b> 10/21/15 08:15 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.88	0.47 J	4.4	2.3 J
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.88	0.94	1.8	1.9
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
1,3-Butadiene	0.18	Not Detected	0.39	Not Detected
Bromomethane	0.88	Not Detected	3.4	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
Freon 11	0.18	0.19	0.99	1.1
Ethanol	0.88	1.5	1.7	2.9
Freon 113	0.18	Not Detected	1.4	Not Detected
1,1-Dichloroethene	0.18	Not Detected	0.70	Not Detected
Acetone	0.88	3.8	2.1	9.0
2-Propanol	0.88	0.37 J	2.2	0.91 J
Carbon Disulfide	0.88	Not Detected	2.8	Not Detected
3-Chloropropene	0.88	Not Detected	2.8	Not Detected
Methylene Chloride	0.35	0.13 J	1.2	0.44 J
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.70	Not Detected
Hexane	0.18	0.23	0.62	0.80
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	0.66 J	2.6	1.9 J
cis-1,2-Dichloroethene	0.18	Not Detected	0.70	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Chloroform	0.18	Not Detected	0.86	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.96	Not Detected
Cyclohexane	0.18	Not Detected	0.61	Not Detected
Carbon Tetrachloride	0.18	0.072 J	1.1	0.45 J
2,2,4-Trimethylpentane	0.88	0.041 J	4.1	0.19 J
Benzene	0.18	Not Detected	0.56	Not Detected
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Heptane	0.18	0.077 J	0.72	0.31 J
Trichloroethene	0.18	Not Detected	0.95	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.82	Not Detected
1,4-Dioxane	0.18	Not Detected	0.64	Not Detected
Bromodichloromethane	0.18	Not Detected	1.2	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.80	Not Detected
4-Methyl-2-pentanone	0.18	Not Detected	0.72	Not Detected
Toluene	0.18	0.28	0.67	1.0
trans-1,3-Dichloropropene	0.18	Not Detected	0.80	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.96	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected



Air Toxics

Client Sample ID: B8IA-2D 101715

Lab ID#: 1510351A-12A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102118	<b>Date of Collection:</b> 10/18/15 11:45:00 A		
<b>Dil. Factor:</b>	1.77	<b>Date of Analysis:</b> 10/21/15 08:15 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.18	Not Detected	1.5	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.81	Not Detected
Ethyl Benzene	0.18	Not Detected	0.77	Not Detected
m,p-Xylene	0.18	0.13 J	0.77	0.55 J
o-Xylene	0.18	0.045 J	0.77	0.20 J
Styrene	0.18	Not Detected	0.75	Not Detected
Bromoform	0.18	Not Detected	1.8	Not Detected
Cumene	0.18	0.083 J	0.87	0.41 J
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
Propylbenzene	0.18	Not Detected	0.87	Not Detected
4-Ethyltoluene	0.18	0.058 J	0.87	0.29 J
1,3,5-Trimethylbenzene	0.18	Not Detected	0.87	Not Detected
1,2,4-Trimethylbenzene	0.18	Not Detected	0.87	Not Detected
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected UJ	6.6	Not Detected UJ
Hexachlorobutadiene	0.88	Not Detected	9.4	Not Detected
Naphthalene	0.88	Not Detected	4.6	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	92	70-130



Air Toxics

Client Sample ID: B8AA-1 101715

Lab ID#: 1510351A-13A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102119	Date of Collection: 10/18/15 11:45:00 A		
Dil. Factor:	1.58	Date of Analysis: 10/21/15 08:57 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.79	0.53 J	3.9	2.6 J
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.79	1.0	1.6	2.1
Vinyl Chloride	0.16	Not Detected	0.40	Not Detected
1,3-Butadiene	0.16	Not Detected	0.35	Not Detected
Bromomethane	0.79	Not Detected	3.1	Not Detected
Chloroethane	0.79	Not Detected	2.1	Not Detected
Freon 11	0.16	0.22	0.89	1.3
Ethanol	0.79	1.6	1.5	3.1
Freon 113	0.16	0.079 J	1.2	0.60 J
1,1-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Acetone	0.79	5.0	1.9	12
2-Propanol	0.79	0.50 J	1.9	1.2 J
Carbon Disulfide	0.79	Not Detected	2.5	Not Detected
3-Chloropropene	0.79	Not Detected	2.5	Not Detected
Methylene Chloride	0.32	0.15 J	1.1	0.53 J
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Hexane	0.16	0.61	0.56	2.2
1,1-Dichloroethane	0.16	Not Detected	0.64	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.79	0.56 J	2.3	1.7 J
cis-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Tetrahydrofuran	0.79	Not Detected	2.3	Not Detected
Chloroform	0.16	Not Detected	0.77	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Cyclohexane	0.16	Not Detected	0.54	Not Detected
Carbon Tetrachloride	0.16	0.088 J	0.99	0.55 J
2,2,4-Trimethylpentane	0.79	0.22 J	3.7	1.0 J
Benzene	0.16	0.14 J	0.50	0.44 J
1,2-Dichloroethane	0.16	Not Detected	0.64	Not Detected
Heptane	0.16	0.40	0.65	1.6
Trichloroethene	0.16	Not Detected	0.85	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.73	Not Detected
1,4-Dioxane	0.16	Not Detected	0.57	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.72	Not Detected
4-Methyl-2-pentanone	0.16	Not Detected	0.65	Not Detected
Toluene	0.16	0.30	0.60	1.1
trans-1,3-Dichloropropene	0.16	Not Detected	0.72	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.86	Not Detected
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
2-Hexanone	0.79	Not Detected	3.2	Not Detected



Air Toxics

Client Sample ID: B8AA-1 101715

Lab ID#: 1510351A-13A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102119	<b>Date of Collection:</b> 10/18/15 11:45:00 A		
<b>Dil. Factor:</b>	1.58	<b>Date of Analysis:</b> 10/21/15 08:57 PM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.73	Not Detected
Ethyl Benzene	0.16	0.061 J	0.69	0.27 J
m,p-Xylene	0.16	0.13 J	0.69	0.55 J
o-Xylene	0.16	0.099 J	0.69	0.43 J
Styrene	0.16	Not Detected	0.67	Not Detected
Bromoform	0.16	Not Detected	1.6	Not Detected
Cumene	0.16	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
Propylbenzene	0.16	Not Detected	0.78	Not Detected
4-Ethyltoluene	0.16	Not Detected	0.78	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.78	Not Detected
1,2,4-Trimethylbenzene	0.16	0.054 J	0.78	0.27 J
1,3-Dichlorobenzene	0.16	Not Detected	0.95	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.95	Not Detected
alpha-Chlorotoluene	0.79	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.95	Not Detected
1,2,4-Trichlorobenzene	0.79	Not Detected UJ	5.9	Not Detected UJ
Hexachlorobutadiene	0.79	Not Detected	8.4	Not Detected
Naphthalene	0.79	Not Detected	4.1	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1510351A-14A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102106a	Date of Collection: NA		
Dil. Factor:	1.00	Date of Analysis: 10/21/15 11:42 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.50	Not Detected	1.0	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	0.50	0.29 J	0.94	0.55 J
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	0.13 J	1.2	0.31 J
2-Propanol	0.50	Not Detected	1.2	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	0.057 J	0.69	0.20 J
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.10	0.086 J	0.35	0.30 J
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.10	Not Detected	0.41	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1510351A-14A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

<b>File Name:</b>	v102106a	<b>Date of Collection:</b> NA		
<b>Dil. Factor:</b>	1.00	<b>Date of Analysis:</b> 10/21/15 11:42 AM		
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected UJ	3.7	Not Detected UJ
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
Naphthalene	0.50	Not Detected	2.6	Not Detected

J = Estimated value.

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type:** NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1510351A-15A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

File Name:	v102102	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/21/15 08:52 AM

Compound	%Recovery
Freon 12	101
Freon 114	102
Chloromethane	100
Vinyl Chloride	104
1,3-Butadiene	98
Bromomethane	112
Chloroethane	110
Freon 11	101
Ethanol	96
Freon 113	94
1,1-Dichloroethene	94
Acetone	95
2-Propanol	97
Carbon Disulfide	108
3-Chloropropene	104
Methylene Chloride	95
Methyl tert-butyl ether	99
trans-1,2-Dichloroethene	100
Hexane	88
1,1-Dichloroethane	99
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	94
Tetrahydrofuran	105
Chloroform	101
1,1,1-Trichloroethane	98
Cyclohexane	104
Carbon Tetrachloride	94
2,2,4-Trimethylpentane	96
Benzene	108
1,2-Dichloroethane	100
Heptane	96
Trichloroethene	96
1,2-Dichloropropane	105
1,4-Dioxane	98
Bromodichloromethane	109
cis-1,3-Dichloropropene	107
4-Methyl-2-pentanone	104
Toluene	102
trans-1,3-Dichloropropene	108
1,1,2-Trichloroethane	109
Tetrachloroethene	107
2-Hexanone	106



Air Toxics

Client Sample ID: CCV

Lab ID#: 1510351A-15A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

File Name:	v102102	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/21/15 08:52 AM

Compound	%Recovery
Dibromochloromethane	108
1,2-Dibromoethane (EDB)	113
Chlorobenzene	105
Ethyl Benzene	104
m,p-Xylene	102
o-Xylene	106
Styrene	100
Bromoform	103
Cumene	108
1,1,2,2-Tetrachloroethane	111
Propylbenzene	101
4-Ethyltoluene	94
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	96
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	100
1,2-Dichlorobenzene	92
1,2,4-Trichlorobenzene	67 Q
Hexachlorobutadiene	72
Naphthalene	76

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	92	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1510351A-16A

## MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102103	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/21/15 09:28 AM
Compound	%Recovery	Method	Limits
Freon 12	115	70-130	
Freon 114	117	70-130	
Chloromethane	113	70-130	
Vinyl Chloride	120	70-130	
1,3-Butadiene	106	70-130	
Bromomethane	128	70-130	
Chloroethane	122	70-130	
Freon 11	112	70-130	
Ethanol	116	70-130	
Freon 113	105	70-130	
1,1-Dichloroethene	104	70-130	
Acetone	107	70-130	
2-Propanol	111	70-130	
Carbon Disulfide	103	70-130	
3-Chloropropene	106	70-130	
Methylene Chloride	107	70-130	
Methyl tert-butyl ether	110	70-130	
trans-1,2-Dichloroethene	100	70-130	
Hexane	98	70-130	
1,1-Dichloroethane	113	70-130	
2-Butanone (Methyl Ethyl Ketone)	108	70-130	
cis-1,2-Dichloroethene	122	70-130	
Tetrahydrofuran	112	70-130	
Chloroform	111	70-130	
1,1,1-Trichloroethane	107	70-130	
Cyclohexane	116	70-130	
Carbon Tetrachloride	94	70-130	
2,2,4-Trimethylpentane	105	70-130	
Benzene	111	70-130	
1,2-Dichloroethane	110	70-130	
Heptane	105	70-130	
Trichloroethene	101	70-130	
1,2-Dichloropropane	111	70-130	
1,4-Dioxane	108	70-130	
Bromodichloromethane	113	70-130	
cis-1,3-Dichloropropene	100	70-130	
4-Methyl-2-pentanone	112	70-130	
Toluene	107	70-130	
trans-1,3-Dichloropropene	111	70-130	
1,1,2-Trichloroethane	113	70-130	
Tetrachloroethene	108	70-130	
2-Hexanone	113	70-130	



Air Toxics

Client Sample ID: LCS

Lab ID#: 1510351A-16A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

File Name:	v102103	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/21/15 09:28 AM

Compound	%Recovery	Method Limits
Dibromochloromethane	112	70-130
1,2-Dibromoethane (EDB)	115	70-130
Chlorobenzene	112	70-130
Ethyl Benzene	99	70-130
m,p-Xylene	104	70-130
o-Xylene	110	70-130
Styrene	100	70-130
Bromoform	110	70-130
Cumene	107	70-130
1,1,2,2-Tetrachloroethane	122	70-130
Propylbenzene	103	70-130
4-Ethyltoluene	90	70-130
1,3,5-Trimethylbenzene	97	70-130
1,2,4-Trimethylbenzene	97	70-130
1,3-Dichlorobenzene	99	70-130
1,4-Dichlorobenzene	94	70-130
alpha-Chlorotoluene	113	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	83	70-130
Hexachlorobutadiene	74	70-130
Naphthalene	70	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1510351A-16AA

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

File Name:	v102104	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/21/15 10:04 AM
Compound	%Recovery	Method	Limits
Freon 12	119	70-130	
Freon 114	122	70-130	
Chloromethane	117	70-130	
Vinyl Chloride	121	70-130	
1,3-Butadiene	110	70-130	
Bromomethane	130	70-130	
Chloroethane	117	70-130	
Freon 11	115	70-130	
Ethanol	120	70-130	
Freon 113	112	70-130	
1,1-Dichloroethene	113	70-130	
Acetone	116	70-130	
2-Propanol	114	70-130	
Carbon Disulfide	107	70-130	
3-Chloropropene	115	70-130	
Methylene Chloride	110	70-130	
Methyl tert-butyl ether	111	70-130	
trans-1,2-Dichloroethene	99	70-130	
Hexane	102	70-130	
1,1-Dichloroethane	113	70-130	
2-Butanone (Methyl Ethyl Ketone)	117	70-130	
cis-1,2-Dichloroethene	126	70-130	
Tetrahydrofuran	111	70-130	
Chloroform	116	70-130	
1,1,1-Trichloroethane	107	70-130	
Cyclohexane	122	70-130	
Carbon Tetrachloride	98	70-130	
2,2,4-Trimethylpentane	110	70-130	
Benzene	114	70-130	
1,2-Dichloroethane	107	70-130	
Heptane	104	70-130	
Trichloroethene	105	70-130	
1,2-Dichloropropane	112	70-130	
1,4-Dioxane	103	70-130	
Bromodichloromethane	111	70-130	
cis-1,3-Dichloropropene	104	70-130	
4-Methyl-2-pentanone	112	70-130	
Toluene	109	70-130	
trans-1,3-Dichloropropene	116	70-130	
1,1,2-Trichloroethane	110	70-130	
Tetrachloroethene	114	70-130	
2-Hexanone	112	70-130	



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1510351A-16AA

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

File Name:	v102104	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/21/15 10:04 AM
Compound	%Recovery	Method	Limits
Dibromochloromethane	116	70-130	
1,2-Dibromoethane (EDB)	118	70-130	
Chlorobenzene	110	70-130	
Ethyl Benzene	103	70-130	
m,p-Xylene	102	70-130	
o-Xylene	108	70-130	
Styrene	103	70-130	
Bromoform	110	70-130	
Cumene	109	70-130	
1,1,2,2-Tetrachloroethane	120	70-130	
Propylbenzene	106	70-130	
4-Ethyltoluene	95	70-130	
1,3,5-Trimethylbenzene	97	70-130	
1,2,4-Trimethylbenzene	93	70-130	
1,3-Dichlorobenzene	98	70-130	
1,4-Dichlorobenzene	102	70-130	
alpha-Chlorotoluene	116	70-130	
1,2-Dichlorobenzene	95	70-130	
1,2,4-Trichlorobenzene	84	70-130	
Hexachlorobutadiene	76	70-130	
Naphthalene	79	60-140	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method	Limits
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	95	70-130	